### CENTRAL INTELLIGENCE AGENCY

# INFORMATION REPORT

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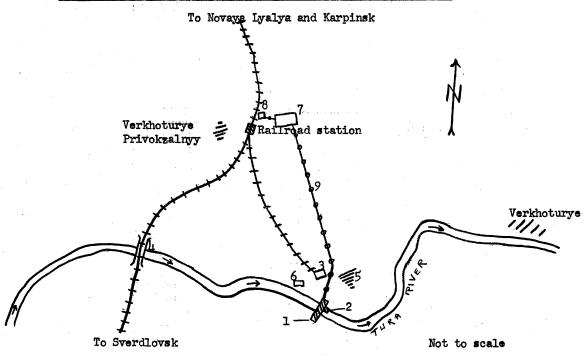
The Hydroelectric Plant near Verkhoturye DATE DISTR. 18 May 1953  NO. OF PAGES 3  REQUIREMENT NO. RD  REFERENCES 25X1  This is UNEVALUATED Information  THE SOURCE EVALUATIONS IN THIS REPORT ARE DEFINITIVE.  INE APPRAISAL OF CONTENT IS TENTATIVE.  (N 58-52, E 60-50), at the narrowest point of the Tura valley, A branch retiroad line teaminating near the power plant connected the site with the Verkhoturye railroad station.  2. Construction began in 1945 and the dam and turbine house were completed by August 1949. The besin was not filled because the outlets were still open. Two turbines in the plant had been supplied during the war, and one of them was to go into operation in December 1949; a third turbine was scheduled to be installed later. Posters announced that the power supply would become available in late 1949.  3.  The plant was scheduled to supply power for the Nikhmiy Tagil (N 57-54, E 60-00) - Karpinsk (N 59-45, E 60-00) railroad line, which was electrified in some sections. A long-distance, three-phase power line led to chemical plant, which was under construction, and from there to the Verkhoturye rail-road station, which allegedly had a transformer station.  Comments.  Scotland To the Ural Meantains to everty power plants were to be approximated the limit was properly as a part of plants were to be approximated				CONFIDENTIAL URITY INFORMATION			25 <b>X</b> 1
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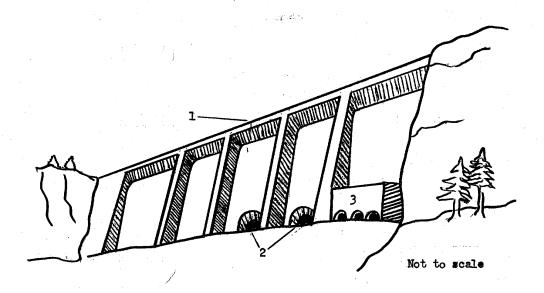
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### A. Location of the Hydroelectric Power Plant near Verkhoturye



## B. Dam for the Hydroelectric Plant near Verkhoturye (Point 1 on Sketch A)



See next page for legends to above sketches.

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#### Legends to sketches.

- A. 1. Dam, of reinforced concrete, about 210 meters long and 26 meters thick, with the highest water level 22 meters above the base.

  One source stated that the dam was curved to counterbalance the pressure of the water in the reservoir. There were three sluices downstream, on the right bank, and three turbine outlets on the left bank. With the water outlets closed, the reservoir will extend h km to the southwest.
  - Turbine house, partly built into the dam; two turbines had been installed and a third was ready to be installed in August 1949.
  - 3. Concrete plant
  - 4. Railroad bridge, about 220 meters long
  - 5. A settlement
  - 6. An American-made, wood- and coal-fired, mobile power unit, generating power for the construction work
  - A chemical plant, under construction, with some one-story buildings completed in August 1949
  - 8. Small transformer station at the railroad station

## Sec.

- 9. High-tension power line
- B. 1. Overflow point
  - 2. Two, or possibly three, sluices, which were still open in August 1949
  - The turbine house, which was partially built into the dam, and had three outlets

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